

ARB Action Plan for 2007

January 25, 2007

Overview

- **Governor's Initiatives**
- **ARB Rulemakings**
- **Other Major Activities**
- **Federal Rulemakings**

Governor's Initiatives

**2007/08 Budget Proposal
Climate Change Orders
Low Carbon Fuel Standard
Goods Movement Action Plan
Infrastructure Bonds**

Governor's Initiatives

Proposed 2007-08 Budget

- New funding and positions for ARB
 - \$24.4M, 100.6 PYs for climate change
 - \$6M, 7.7 PYs for zero emission vehicles
 - \$1.5M, 8.6 PYs for mobile source certification
 - \$200M, 2.9 PYs for school buses
- *\$1B freight corridor bond pending*

Governor's Initiatives

Climate Change

Governor's Executive Order #1

- Greenhouse gas reduction targets
 - Reduce to 2000 levels by 2010
 - Reduce to 1990 levels by 2020
 - Reduce to 80% below 1990 levels by 2050



Governor's Initiatives

Climate Change

Governor's Executive Order #2

- Cal/EPA Secretary Adams leads effort
- Market Advisory Committee
- ARB collaborates with Secretary and Climate Action Team on market-based program

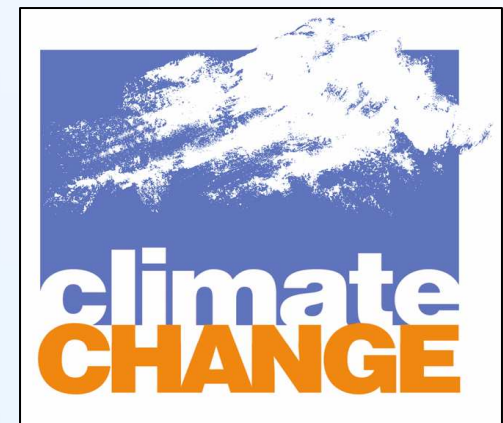


Governor's Initiatives

Low Carbon Fuel Standard

Executive Order #3

- Reduce carbon intensity 10% by 2020
- ARB consider as early action measure
- UCD/UCB technical support
- CEC glide path



Governor's Initiatives

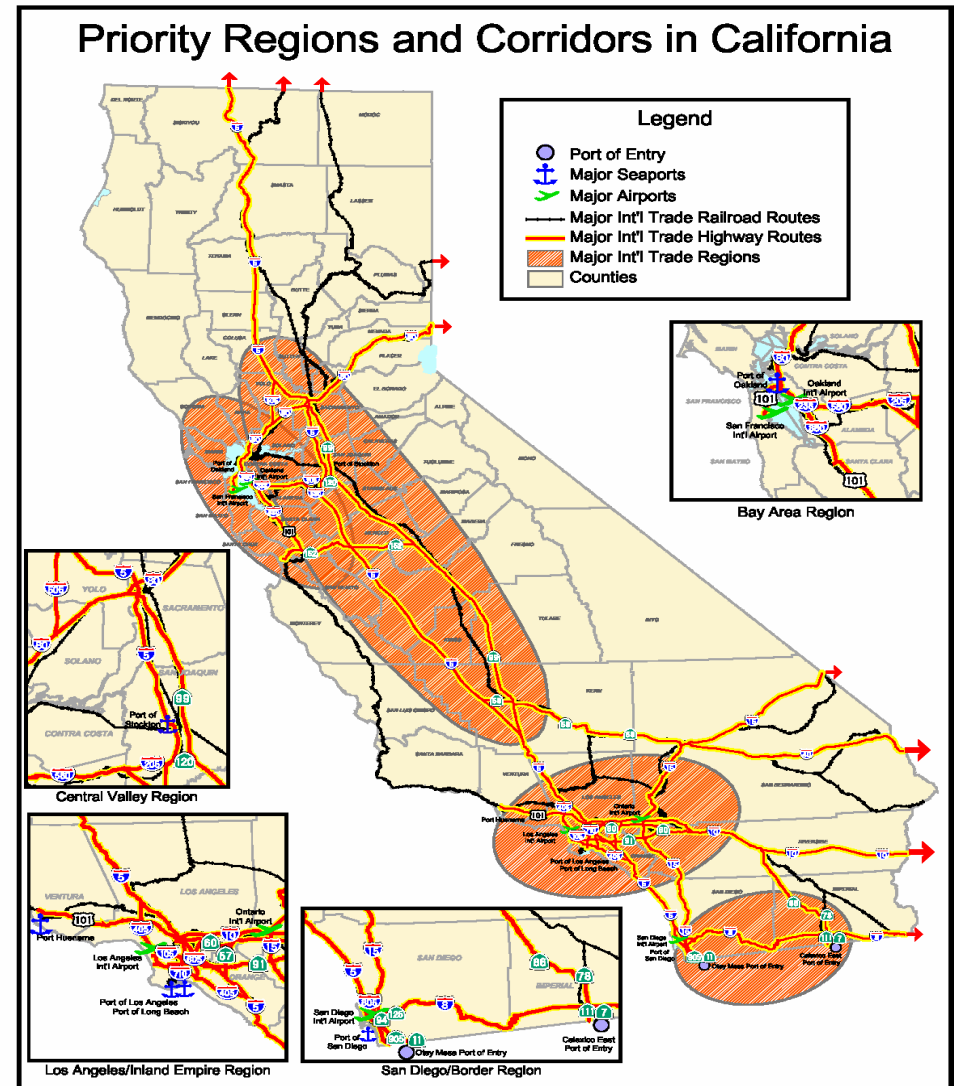
Goods Movement Action Plan

- Final Administration report released
- Identifies preferred transportation projects
- ARB emission reduction plan attached
- Bond decisions/expenditures pending

Governor's Initiatives

Highway Safety, Traffic Reduction, Air Quality, and Port Safety Bond Act 2006

- \$19.9 billion total
- Focus on infrastructure
- \$1 billion for air quality in priority corridors
- \$200 million for school buses



ARB Rulemakings

**Diesel and Goods Movement
Climate Change
NOx, VOC Controls
Air Toxics
School Bus Guidelines
Nitrogen Dioxide Standard**

ARB Rulemakings

Diesel and Goods Movement

- Construction and mining equipment
- Construction equipment grants (\$25M)
- Private truck fleets
- Updates to retrofit verification procedures



ARB Rulemakings

Diesel and Goods Movement

- Port truck strategy
- Lower sulfur fuel for ships
- Commercial harbor craft
- Shore power for ships
- Speed limits for ships

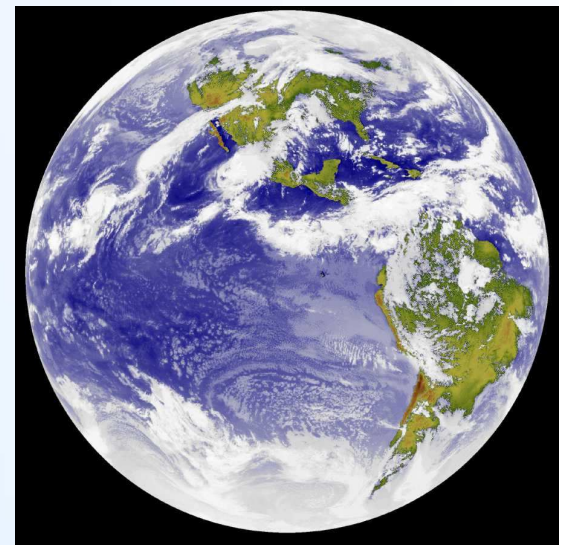


Other Major Activities

Climate Change

GHG Emission Inventory

- 1990 baseline level
- 2020 emission target
- Mandatory reporting regulation



Other Major Activities

Climate Change

Early Actions *(legal definition)*

- ARB regulations that can be done quickly
- Publish list by June 30, 2007
- Enforceable by January 1, 2010

Plus all other relevant activities
(common sense definition)

Other Major Activities

Climate Change

Two New Advisory Committees:

- Environmental Justice
- Economic & Technology Advancement

Other Major Activities

School Bus Guidelines

- Update to reflect \$200M from bond
- Replace oldest buses
- Retrofit funding available



ARB Rulemakings

NO_x/VOC Controls

Passenger Vehicles

- ZEV technology review
- Expand test procedures for heavy SUVs and useful life



ARB Rulemakings

NO_x/VOC Controls

Other Sources

- Aboveground gasoline storage tanks
- Consumer products standards
- Architectural coatings (model rule)
- Indoor air purifiers



ARB Rulemakings

Fuels

- Gasoline predictive model
- Diesel fuel specifications
- Compressed natural gas specifications
- Alternative fuel grants (\$25M)



ARB Rulemakings

Air Toxics

- Phase out “Perc” in dry cleaning
- Formaldehyde controls for particle board and other composite wood products



ARB Rulemakings

Nitrogen Dioxide Standard

- Protect health of infants and children
- Lower the 1-hour NO₂ standard
- Establish a new annual average standard



Other Major Activities

State Implementation Plans

Carl Moyer Program

Environmental Justice

Mortality Studies

Expanded Research

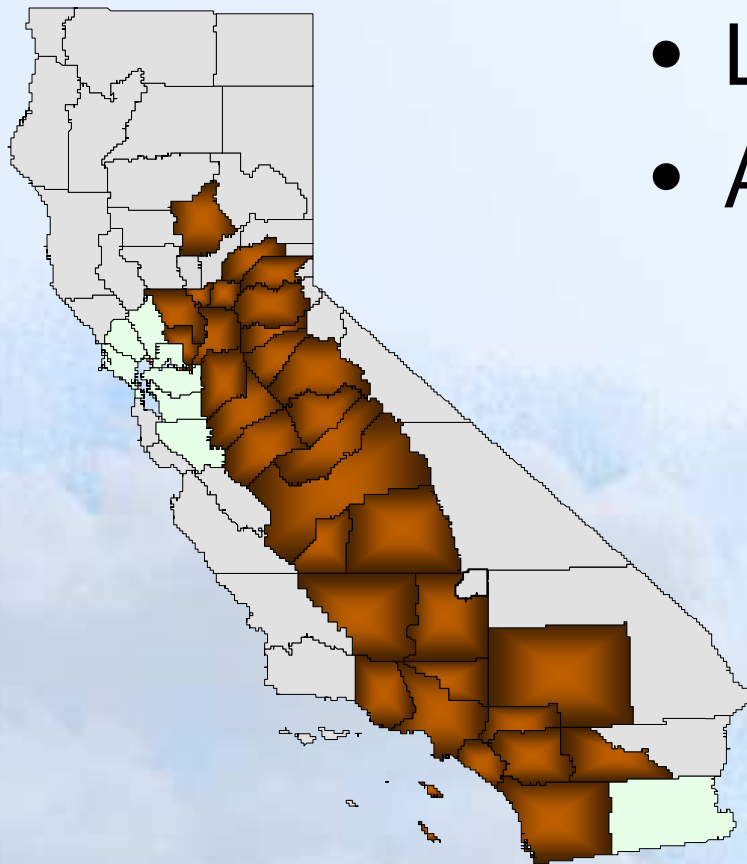
Other Major Activities

SIP Development

- Statewide strategy
 - Turnover all existing fleets
 - Goods movement measures
 - Federal sources
 - Updated technical analyses
- Regional haze

Other Major Activities

SIP Development



- Local plans
- ARB hearings – Spring 2007
 - South Coast, Antelope Valley and Mojave
 - San Diego and Ventura
 - San Joaquin and Kern
 - Sacramento Region and Mountain Counties

Other Major Activities

Carl Moyer Guideline Update

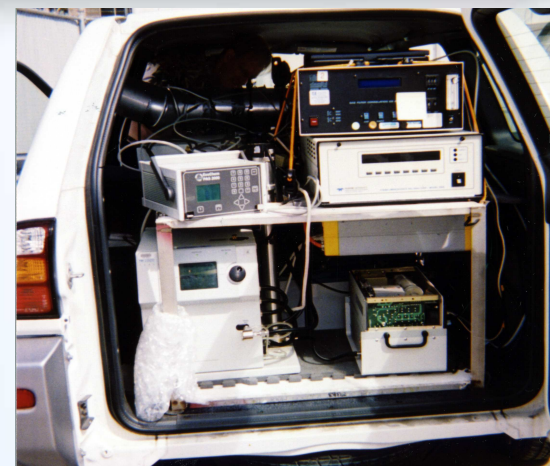
- Possible new project categories
- Revised criteria
- Administrative requirements, audits
- Increased outreach



Other Major Activities

Environmental Justice

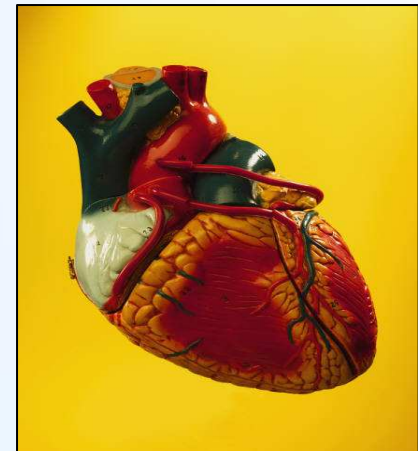
- Rail yard risk assessments
- West Oakland assessments
- Wilmington community project
- Harbor Communities
Air Monitoring Study



Other Major Activities

Mortality Studies

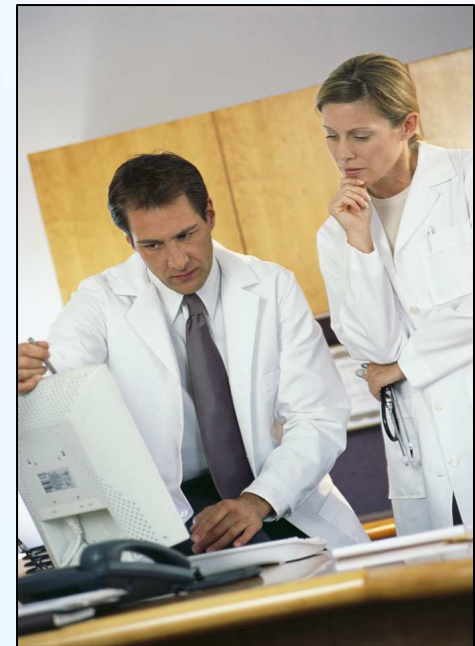
- Premature deaths due to PM exposure
- American Cancer Society Study
- Dr. Jerrett et al re-analyses
- US EPA peer review
- Possible adjustment to ARB factors



Other Major Activities

Expanded Research

- \$1.8M more in Governor's Budget
- New climate focus
- Traditional categories will continue
- Annual joint meeting with RSC



Federal Rulemakings

**Tier 3 Locos & Marine Engines
Lawn & Garden Equipment <25 hp
Heavy Duty In-Use Testing Rule
Recreational Boats**

Summary

- Enormously challenging year ahead for board, staff and stakeholders
- Extra hearings planned
- The cavalry is coming (new members, more staff, more \$)